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1 [Lineage retrieval for scientific data processing: a survey](#)

[Rajendra Bose, James Frew](#)

 March 2005 [Computing Surveys \(CSUR\)](#) , Volume 37 Issue 1

Publisher: ACM

Full text available: [Pdf](#) (728.75 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 388, Citation Count: 13

Scientific research relies as much on the dissemination and exchange of data sets as on publication of conclusions. Accurately tracking the lineage (origin and subsequent proce of scientific data sets is thus imperative for the complete ...

Keyw ords: Data lineage, audit, data provenance, scientific data, scientific workflow

2 [NFSv4 replication for grid storage middleware](#)

[Jaying Zhang, Peter Honeyman](#)

 November 2006 [MCG '06: Proceedings of the 4th international workshop on Middleware for computing](#)

Publisher: ACM

Full text available: [Pdf](#) (405.19 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index ie](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 64, Citation Count: 0

Sharing data in scientific collaborations that involve many institutions around the world large-scale storage system that is reliable and efficient, yet at the same time, convenie paper presents a replicated file system that ...

Keyw ords: NFSv4, consistency, distributed file system, global name space, grid compu replication

3 [Communications of the ACM: Volume 51 Issue 10](#)

 October 2008 [Communications of the ACM](#)

Publisher: ACM

Full text available: [Digital Edition](#) , [Pdf](#) (7.16 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 699, Downloads (12 Months): 2183, Citation Count: 0

4 [An intelligent discussion-bot for answering student queries in threaded discussions](#)

[Donghui Feng, Erin Shaw, Jihie Kim, Eduard Hovy](#)

 January 2006 [IUI '06: Proceedings of the 11th international conference on Intelligent user](#)

Publisher: ACM

Full text available: [Pdf](#) (253.39 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

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This paper describes a discussion-bot that provides answers to students' discussion bo

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an unobtrusive and human-like way. Using information retrieval and natural language processing techniques, the discussion-bot identifies the questioner's ...

Keywords: discussion-bot, natural language processing, online learning environment, discussion

5 [Identity Boxing: A New Technique for Consistent Global Identity](#)

[Douglas Thain](#)


November 2005 SC '05: Proceedings of the 2005 ACM/IEEE conference on Supercomputing
Publisher: IEEE Computer Society

Full text available:  [Pdf](#) (393.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 46, Citation Count: 1


Today, users of the grid may easily authenticate themselves to computing resources and using a public key security infrastructure. However, users are forced to employ a patchwork of identities, each assigned by a different local authority. ...

6 [Disco: running commodity operating systems on scalable multiprocessors](#)

 [Edouard Bugnion](#), [Scott Devine](#), [Kinshuk Govil](#), [Mendel Rosenblum](#)

November 1997 Transactions on Computer Systems (TOCS) , Volume 15 Issue 4

Publisher: ACM

Full text available:  [Pdf](#) (400.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 251, Citation Count: 26

In this article we examine the problem of extending modern operating systems to run on large-scale shared-memory multiprocessors without a large implementation effort. Our work brings back an idea popular in the 1970s: virtual machine ...

Keywords: scalable multiprocessors, virtual machines

7 [Sequencing the SARS virus](#)

[Martin Krzywinski](#), [Yaron Butterfield](#)

November 2003 Linux Journal , Volume 2003 Issue 115

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (23.76 KB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Citation Count: 0


Linux on PC hardware formed the basis for an infrastructure to handle huge volumes of

8 [Tutorial on agent-based modeling and simulation](#)

[Charles M. Macal](#), [Michael J. North](#)

December 2005 WSC '05: Proceedings of the 37th conference on Winter simulation


Publisher: Winter Simulation Conference

Full text available:  [Pdf](#) (1.35 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 619, Citation Count: 6

Agent-based modeling and simulation (ABMS) is a new approach to modeling systems with autonomous, interacting agents. ABMS promises to have far-reaching effects on the way businesses use computers to support decision-making and researchers ...

9 [Grid middleware services for virtual data discovery, composition, and integration](#)

 [Yong Zhao](#), [Michael Wilde](#), [Ian Foster](#), [Jens Voelckler](#), [Thomas Jordan](#), [Elizabeth Quigg](#), [Jaroslav](#)

October 2004 MGC '04: Proceedings of the 2nd workshop on Middleware for grid computing

Publisher: ACM

Full text available:  Pdf (289.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 202, Citation Count: 3

We describe the services, architecture and application of the GriPhyN Virtual Data System components and services that allow users to describe virtual data products in declarative terms, discover definitions and assemble workflows based on ...

Keywords: data discovery, data grid, data integration, portal, provenance, virtual data


10 [Entering the education arcade](#)



[Henry Jenkins](#), [Eric Klopfer](#), [Kurt Squire](#), [Philip Tan](#)

October 2003 Computers in Entertainment (CIE) , Volume 1 Issue 1

Publisher: ACM

Full text available:  Pdf (1.14 MB)

Additional Information: [full citation](#), [appendices and supplements](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 188, Citation Count: 4

Responding to social, economic, and technological trends which make games the most popular medium for reaching young learners, The Education Arcade project, based in the MIT Center for Media Studies Program, seeks to prototype games that teach, develop ...

Keywords: augmented reality, computer graphics, education, educational technology, handhelds, simulation, simulations, video games

11 [The Deliberate Revolution](#)



[Mike Burner](#)

March 2003 Queue , Volume 1 Issue 1

Publisher: ACM

Full text available:  Html (64.11 KB),  Pdf (326.81 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 183, Downloads (12 Months): 279, Citation Count: 3

While detractors snub XML web services as CORBA with a weight problem, industry cheerleaders claim these services are ushering in a new age of seamless integrated computing. But for those who don't involve building industry excitement, ...

12 [Proceedings of the 36th SIGCSE technical symposium on Computer science education](#)



[Wanda Dann](#), [Tom Naps](#), [Paul Tymann](#), [Doug Baldwin](#)

February 2005 SIGCSE '05: Proceedings of the 36th SIGCSE technical symposium on Computer science education

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to St. Louis for the 36th year of the SIGCSE Technical Symposium on Computer Science Education. We are excited about SIGCSE 2005 and we hope you have as much fun as we do in planning this event. There is much to see and do with a record ...


13 [Human-computer interface development: concepts and systems for its management](#)



[H. Rex Hartson](#), [Deborah Hix](#)

March 1989 Computing Surveys (CSUR) , Volume 21 Issue 1

Publisher: ACM

Full text available:  Pdf (7.97 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 448, Citation Count: 53

Human-computer interface management, from a computer science viewpoint, focuses on developing quality human-computer interfaces, including their representation, design implementation, execution, evaluation, and maintenance. This ...

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